Office of the
Sr.Material Manager (Depot)
Electric Loco Stores, Tatanagar
Jamshedpur
Jharkhand-831002
Telefax: No.0657-2345657
Mob No:09771482763
Email: smmelstata@gmail.com

LIST OF BULLETIN TENDERS FOR PURCHASE OF MATERIALS OF STORES DEPARTMENT, ELECTRIC LOCO STORES, TATANAGAR

PURCHASE BULLETIN NO.-TATA/STORES/EPLT/2012-13/04 DATE 04.10.2012

TENDER OPENING DATE: 29.10.2012 CLOSING TIME: 15:15 OPENING TIME 15:30.

VENUE: Sr.MM (D) ELS/TATA

The general terms & conditions for tender

1. The tenders must be submitted in sealed cover duly indicating Tender No. and opening date on the face of the cover (envelope) with brief description.
2. The sealed tenders must be either deposited in the tender box placed in the office of the Sr. Material Manager, Electric Loco Store, South Eastern Railway, by the specified time & date, or if posted, must reach the said Office of Sr. Material Manager, Electric Loco Store, South Eastern Railway, PO Tatanagar, Jamshedpur Jharkhand 831002, by that time and date. It is the responsibility of the Tenderer to ensure that the tender reaches on or before the date & time as specified. The said office undertakes no responsibility for any postal delay.
3. In case the date of closing/opening of the tenders happens to be a holiday, the date of closing/opening of such tenders will be the next working day.
4. Quotations/Offers received through TELEX/e-mail will not be entertained/ considered.
5. No erasures, alteration or overwriting are permitted on the Tender Form and/or accompanying schedule. A tender with unattested erasures, alteration, or overwriting is liable to be considered as invalid.
6. Past performance particulars for same/similar items supplied to Railways and other public sector institutions should be submitted along with offer.
7. Tenders offered by distributors of any stores should be accompanied with valid authorization or distribution certificate from the Principal.
8. The Railway reserves the right to order entire or bulk quantity from approved firms/tenderers with proven performance.
9. The Sr. Material Manager (D), Electric Loco Stores authorized on behalf of the President of India does not bind himself to accept the lowest or any tender, and reserves the right to cancel the tender, reduce or divide the contract without assigning any reason for such action.
10. Payment will be made by R.T.G.S. against acceptance of the material. Bill passing officer is Sr.MM (D)/ELS/TATA and Bill paying officer is Sr.DFM/CKP.
11. Price:-The rates and all other figures involving financial implications must be quoted both in words & figures.

    i) The firm should quote their price for Free delivery at destination. The break up of such price must be given completely and unambiguously. The purchaser will not be responsible for any incorrect evaluation & consequent inter-se ranking, if a Tenderer does not fill in form and quotes incomplete, ambiguous and/or misleading rates of taxes & duties and other charges in general terms. In case the Tenderer quote ex-works or ex-Godown price,They should invariably indicate the total freight charges i.e. from their Works/Godown to destination. In the event any Tenderer does not specifically record anything about the place of delivery in his offer it will be assumed that the Tenderer will bear the freight and that the offer is for Free delivery at the destination. This assumption will be final and binding on the Tenderer and will not be subject to any legal dispute or arbitration in future.

    ii) Packing & Forwarding charges should be quoted separately. The Excise Duty (ED), Sales Tax (ST) applicable on the Packing/Forwarding charges should be stated clearly & in words, failing which ED/ST on Packing/Forwarding charges will be not taken into account & considered payable.

iii) Firms are advised that no discount should be quoted separately. Discount if any, should be included in the basic rate.
iv) Conditional discounts (for quantity, early payment, delivery at other than specified location etc.) will not be considered for the purpose of determining inter-se ranking.
v) Firms are advised to attach necessary documents in support of their offer rate like price list, past purchase orders etc.

12. Taxes & Duties

i) Tenderers must clearly indicate the exact rate/amount of Sales Tax, claimed by them, as may be applicable, alongwith their S.T. Registration Number and the Excise Duty applicable.
ii) The rate/amount of Sales tax and Excise Duty even when included in the rate quoted by a Tenderer must be spelt out separately. Where the rate/amount of Sales tax/ED included in the rate is nil, this should also be specifically stated in the offer.
iii) If the Tenderer in the matter of clearly indicating the chargeable E.D. and S.T. leaves any ambiguity, the purchaser shall evaluate the offers by taking into account the highest rate of S.T. & E.D. as known to the purchaser's decision in this regard will be final and no claim regarding applicability of S.T. & E.D. or otherwise will be entertained after opening of the Tender. The purchasers will, however, still reserve the right not to pay any S.T./E.D. not specifically claimed/indicated clearly or unambiguously by the Tenderers.

13. Delivery Period:-

i) The Tenderer should refer to the desired Delivery Schedule given in the Tender Schedule and quote accordingly.
ii) Part supply normally will not be allowed except with prior permission of railway.
iii) Early delivery should be quoted.
iv) Failure to supply within the stipulated delivery period may cause imposition of LD @ 2% per month or part there of the delayed supply of the contract value. If firm failed to supply General Damage @ 10% of contact value will be imposed.

14. Terms of Delivery:-

i) Material should preferably be delivered by Road Transport/Personal Courier Service to Sr.MM (D)/ELS/TATA. Freight charges if applicable should be quoted explicitly.
ii) Risk in Transit is to be borne by the Tenderer.

15. Payment terms:-

100% payment shall be admissible on consignee's receipt and acceptance of the stores. Only in cases of Tenderers of repute and of sound financial standing and PAC cases, payment against delivery/collection and Visual Inspection will be admissible with finance concurrence. The purchaser'' decision as to whether a Tenderer is of repute & sound financial standing will be final. In a case, where Price Variation Clause (PVC) is applicable, working sheet supported with documents in support of the PVC is required to be submitted at the time of claiming any payment.

16. Inspection:-

The inspection will be conducted by consignee after receipt of material unless otherwise specified, for P.O. value above `1,00,000 (One lakh) inspection shall be entrusted to RITES/RDSO.

17. Warranty/Guarantee: -

Unless otherwise specified in the tender schedule, the warranty/guarantee shall be as specified in the IRS condition of contract.

Suppliers are advised to ensure that the materials are invariably stamped with manufacturers name, month and year of manufacture as may be detailed in the Drawing/Specification of material, so that warranty can be correctly acted upon.

18. Validity of offer:-

The tender should be valid for acceptance for a minimum period of 90 days or as specified in the tender. Tenderers should hold the offer open till such time as may be specified in the tender, which is for a minimum period of 90 days from the date of opening of the tender.

19. Purchase according to Sample:-

When samples are required this fact will be indicated in the tender form. Samples must strictly conform to the specification, drawing and description given. Any sample submitted will be considered as supplement to and not in supercession of any specification issued unless otherwise specifically indicated. In the absence of a specified acceptance in writing of any variation, the purchaser shall be entitled to reject a claim for an acceptance of a supply embodying such variation.

20. Evaluation of the offers:-

i) Rates quoted without any conditions attached (viz. Discount/Rebates having linkages to quantity, payment, Inspection agency, destination, delivery place etc.) will only be considered for evaluation purpose. Thus discounted rates linked to quantities, prompt payment etc. will be ignored for determining interse position. Purchaser however reserves the right to use the discounted rate/rates considered workable and appropriate for counter offer to the successful Tenderers.
ii) Total unit rate comprises of the Basic Rate, Excise Duty, Sales Tax, Packing charges, Forwarding Charges, Insurance (if any) and freight charges up to destination.
iii) All offers will be arranged in the ascending order of the Total Unit Rate.
iv) After arranging the offers, as above, technically unsuitable offers will be passed over. Offers not confirming to tender schedule may also be passed over.
v) The Tender quantity may be split among two or more Tenderers for reasons like vital/critical nature of the items, quantity to be procured, meeting production targets, past performance and capacity of the bidders, delivery required etc. Zone of consideration of such eligible tenderers will be the right of the purchaser.
vi) Though the rates without any conditions attached will only be considered for evaluation purposes, this does not preclude Purchaser from making counter offer for rates of any of the discounted offers.
vii) For multiple items with single consignee: if unit is not specified as a set or a kit, the criteria for evaluation of offers will be based on the basis of individual items and not on the basis of total value for all items unless otherwise mentioned in the tender schedule.

21. Splitting of Quantity: - In all cases of pre-decided split ordering, the following will be followed:

i) The Purchaser reserves the right to distribute the procurable quantity on one or more of the eligible tenderers. Zone of consideration of such eligible tenderers will be the right of the Purchaser.
ii) Whenever such distribution / splitting of the tendered / procurable quantity is made, the quantity distribution will depend upon the differential of rates quoted by the tenderers (other aspects i.e. adequate capacity-cum-capability, satisfactory past performance of the tenderers, outstanding orders load for the Railway making the procurement etc. being same/similar). For example; if the differential of rates between the L-1 and L-2 eligible vendors is 5%, then the distribution of quantity will be approximately in the ratio 55:45 (55% for the L-1 tenderer). If the price differential is 3%, then the distribution of quantity will be approximately in the ratio 53:47 (53% for the L-1 tenderer) and so on.

22. Conditions for sources approved by RDSO/CLW/DLW/ICF etc. only.

i) If the bulk quantity of this item is procurable from sources approved by RDSO/CLW/DLW/ICF etc. only. Tenderers must submit the valid and current approval certificate for this item alongwith their offer failing which their offer is liable to be ignored. Exception can, however, be made only in case the Tenderer's name appears in the current list of approved sources if available with the purchaser.
ii) If the tendering firm(s) is not approved by RDSO/Pus/CORE as mentioned above as Part-I or Part-II, then they must submit their credential details i.e. Machinery & Plants, Testing Facilities, QAP, Technical Man Power etc.
iii) All Part-II approved tenderers must submit attested photocopies of Pos, inspection certificates and receipt notes/certificates related to the maximum quantity of the material under procurement, successfully supplied by them in any single order placed on them over the preceding three years by any

Zonal Rly./PU. Such tenderers are to note that non-submission of such documents shall be taken as their not having any such past performance and their offers shall be considered further as per extant rules and no back reference in this regard will be made to them.

23. Tenderers may, however, note that in case all or most of the approved firms quote equal rates and cartel formation is suspected, Purchasers reserve the right to place order on one or more firms with exclusion of the rest without assigning any reasons thereof.

24. Wherever cartel formation is suspected, Purchaser reserves the right to place orders on any firm/firms for any quantity without assigning any reason thereof.

25. Firms are expected to quote for a quantity not less than 50% of tendered quantity. Offers for a quantity less than 50% of tendered quantity will be considered unresponsive and liable to be rejected in case cartel formation is suspected. Purchaser, however, reserve the right to place order on one or more firms for any quantity.

26. The firms who quote in cartel should note that their names are likely to be deleted from the list of approved sources.

27. Firm should clearly quote which brand/ make is being offered. If firm copies the description mentioned in the tender enquiry as firm's offer it will be presumed that firm is ready to supply any brand/ make mentioned in the tender enquiry. P.O. may be placed on any brand/ make as per consignee requirement.

Sr.MM (D)/ELS/TATA

Copy: - (1) Notice Board of Electric Loco Stores, Tata.
(2) SSE (S)/TATA for placing at notice board at Electric Loco Shed, Tata.

BULLETIN TENDER BOOKLET FOR SR.MM (D)/ELS/TATA

BULLETIN NO.-TATA/STORES/EPLT/2012-13/04 DATE 04.10.2012

Due Date of receipt/ opening at SMM's office/TATA on 29.10.2012 upto 15:15 Hrs. (Closing Date) & 29.10.2012 at 15:30 Hrs. (Opening Date)

Venue: Sr.MM (D)/ELS/TATA

Web site no. (www.ser.indianrailways.gov.in) →Division→ CKP→ Store Tender.

Sl. No.	Tender No.	Description	Inspn. Auth.	Quantity	Consignee
1.	23.11.2.24026	Digital wheel distance measuring gauge Model No.WG-(12) E-B(G) Fitted with built in Digital Display & Spirit Level and operate with rechargeable Battery.	Consignee	01 No.	SSE (S)TATA
2.	73.12.2.24027	Hex Bolt M-24x90mm IS:1364 to S-10.9 with Split pin Hole and Castle nut to IS:2232-67. Fat washer to IS:2016, Spring washer to IS:3063 & Split cotter pin dia M-5x50mm Lg to IS:549-74 for Yoke pin supporting plate (Split pin hole centre should be 16mm from end of the bolt. Make TVS, LPS & Sundarm Fasterners. Note: (Only CLW approved sources or their approved distributors or Dealers should quote. No authorization letter of dealer/distributor or sub-dealership certificate will be entertained. Firm must submit necessary certificate along with offer).	RITES	1200 Sets.	SSE (S)TATA
3.	73.12.2.24028	Hex Bolt M-24x80/54 (T/L) to IS: 10.9 with castle nut to IS: 2232-67. Split pin to IS: 549-74, Spring washer M24B to IS: 3063 & Plain washer 24mm to IS: 2016 for draft gear supporting pin (Split pin hole of dia 5 at a distance of 10mm from bottom end). Make: TVS, LPS & Sundram Fasteners. Note: (Only CLW approved sources or their approved distributors or Dealers should quote. No authorization letter of dealer/distributor or sub-dealership certificate will be entertained. Firm must submit necessary certificate along with offer).	RITES	1600 Sets.	SSE (S)TATA
4.	25.12.2.24057	Induction Heating Coil for dismounting of inner races from electric loco wheel Size:-ID-182mm, OD-192mm, Operating Voltage-400/440V, 3Ø 4 Wire 50HZ, Load-80to 90KW Unbalance.	Consignee	02 Nos.	SSE (S)TATA
5.	74.12.2.24064	Webster Ineractive Board (95" WIDEX43" High) 108" Diagonal Model No.TS800 of M/s Polyvision Corporation USA or similar. Specification as per annexure.	Consignee	1 No.	SSE (S)TATA
6.	23.12.2.24065	Precision Sensor Checking Unit Model No.ITX 5000.01 of Trolex Make or Equivalent for WAP-5/WAG-9 Loco. Specification as per annexure.	RITES	2 Nos.	SSE (S)TATA
7.	23.12.2.24073	"LCR Meter" For measurement of the DC Link and series resonant capacitance of 3-Phase Locomotives. Make: M/s Fluke or similar reputed make. Specification as per annexure.	Consignee	01 No.	SSE (S)TATA
8.	45.12.2.24074	Indicator Lamps for fiting inside BL demarcation Plate for WAG-7 locos, Spot Light and AC LECC ICW 110 Volt.x 30W. Make: Philips, OMEX, National.	Consignee	2000 Nos.	SSE (S)TATA
9.	73.12.2.24075	Set of Fastener for spring seat & Vertical damper of WAG-7 loco, for twenty locos. Specification as per annexure. Note: (Only RDSO/CLW approved sources or their	Consignee	160 Sets.	SSE (S)TATA

Sl. No.	Tender No.	Description	Inspn. Auth.	Quantity	Consignee
		approved distributors or Dealers should quote. No authorization letter of dealer/distributor or sub-dealership certificate will be entertained. Firm must submit necessary certificate along with offer).			
10.	73.12.2.24077	Set of Socket head cap screw, each set consisting of 3 items. (1) Size M12 x 90mm = 6 Nos. (2) Size M12 x 70 mm = 10 Nos. (3) Size M10 x 25 mm = 6 Nos. Make- Unbrako/PFL/LPS. Material – High Grade Alloy steel. Threads IS: 4218, Specn. IS: 2269, DIN 912 ISO -4762, Mechanical Properties IS: 1367, Property Class 12.9. Note: (Only CLW approved sources or their approved distributors or Dealers should quote. No authorization letter of dealer/distributor or sub-dealership certificate will be entertained. Firm must submit necessary certificate along with offer).	Consignee	168 Sets.	SSE/RW-STORE CTRC/TATA
11.	73.12.2.24078	Non Magnetic stainless steel Bolt as per AISI-304, Size – M16 x 70/38mm.	RITES	3000 Nos.	SSE/RW-STORE CTRC/TATA

SMM(D)/ELS/TATA

Annexure of Tenders

Tender No. 74.12.2.24064

Full Description :- " Webster Interactive Board (95'' Wide x 43" High) 108" Diagonal Model No. TS 800 of M/s Polyvision Corporation. USA or similar

Specification :

Resolution	Touch resolution of 8000 x 8000, supports all projector resolution upto 1600 x 1200
Screen surface	Touch sensitive, Low Glare and stain- resistant Mylar Surface.
Active Screen Area	2410 mm (95.0") Wide x 1090 mm (43.0") High
Size	2460 mm (97.0") Wide, 1210 mm (47.7")High, 76.2mm (3.0") Deep
Communication	Communication speed 192 points/sec, 9600 band
Power Requirement	DC Supply 5W, Supplied with product.
Signal Interface	RS-232, 9 Pin Female D-Sub Connector on the board. 20' Serial Cable provided . Optional USB to 9- pin adapter. Optional Webster Wireless
Software	Transfer Image via drag and drop, clipboard or file export. Support most windows compatible printers and video cards in any standard resolution.
Included Accessories	Standard Dry erase markers in black, blue, red and green : 830 mm (3.25") round eraser provided.
Optional accessories	Floor stand
Max. image Size (Diagonal)	108" Diagonal
Weight	24.97 Kgs.
Application	Designed for Meeting, Conference and Classrooms.
Touch Sensitive	Mouse Control and Annotations can be done with finger Touch.
Export formats	JPEG, Bitmap, TIFF, Metafile, HTML
Keys	Should have both software as well as Mechanical Keys on the Board
Capture	Should be able to capture simultaneously both annotations on the Projected image as well as things written with Dry Erase Marker outside the Projected image on to the computer.

06. Copies of trouble shooting manual should be supplied.

Tender No. 23.12.2.24065

Precision sensor checking unit Model No.ITX 5000.01 Trolex make.

Features :

1) There should be keypad for set points, warning/safety values and menu functions.
2) There should be temperature control system on the principle of ICC (Intelligent Cascade control), self optimizing Temperature control.
3) Availability of VFD Comport Display .
4) There should be Key pad for setpoints , warning/safety values and menu functions.
5) There should be ACT 3-point- caliberation.
6) Availability of points for External sensor connection for measurement and control.
7) There should be an Intelligent electronically controlled Pump with adjustable pump stages.
8) There should be Advance warning system for low liquid level (DBGM 203 06 059.8)
9) There should be adjustable high temperature cut –out visible via display.
10) There should be RS232 interface for online communication.
11) Availability of Integrated programmer for 10 program steps.
12) Active cooling control.

Technical Specification

The "precision sensor checking unit should be supplied with features given below.

1. Working temperature range should be within - --30°C to 190°C or better
2. Temperature Control - ICC
3. Temperature stability should be - ±0.01°C
4. Display mode should be - VFD
5. Display Resolution - 0.01°C or better
6. Integrated programmer - should be available at least 10 steps For program steps.
7. Heater capacity - 2000 W or conforming and satisfying other factors of the paramemeter
8. Cooling capacity - 20 0 -20 -30 °C
   450 390 150 60 W.
9. Refrigerant - R 134a
10. Pump capacity - Pressure: 0.7 bar, Suction: 0.4 bar, Flow rate : 22-28 ltr /min. Approx
11. Digital Interface - RS232
12. External Pt100 sensor connection - Should be available.
13. Bath Opening/bath depth (WxL/D) - 18x12/15 cm approx
14. Filling Volume - 8 Liters. Approx
15. Dimensions (WxLxH) - 31x42x66 cm Approx or more compact
16. weight - 38 kg. to 40 kg Approx
17. Ambient temperature - 5 to 50°C Approx
18. Classification according to DIN 12876-1 - 3 (FL)
19. Input main Supply voltage - 230V AC /50Hz

All the necessary accessories and two copies of Operational and maintenance manual. should be supplied along with the equipment.

Tender No. 23.12.2.24073

1. **SCOPE OF WORK / SUPPLY**
   Supply, Testing and Commissioning of "LCR METER" for measurement of the D. C. Link and Series Resonant Capacitance of 3-Phase Locos.
2. **TECHNICAL SPECIFICATION/LEADING PARAMETERS OF LCR METER**
   The Technical details of ` LCR Meter' for measurement of the D. C. Link and Series Resonant Capacitance of 3-Phase Locos are as under:-
   a. Power Supply : Voltage 220V+2%
      Frequency : 50-60Hz
      Power : 24 W 31 VA
   b. Display : Backlit LCD Simultaneous Display of
      i. Dominate parameter
      ii. Secondary Parameter
      iii. Equivalent Circuit Diagram
      iv. Test Frequency
      v. HI or Low Level , if selected
      vi. Status indicating. eg. SGLE standby
   c. Measuring Accuracy Basic Error Limits
      i. ± 10%± 1 Digit generally

ii. ± 0.5 % ± 1 digit for AC/LOW level
iii. 10 Times larger of FAST mode
iv. 10 ± 1% digit generally
v. 5 ± 1 digit AC/Low level

Test frequency – 50 Hz-20 KHz
Impedance range- 01 Ohm –2 M ohm, 02 ohm- 4 M ohm
vi. 03 Ohm- 700 K ohm in 300 Hz – 10 KHz
C Range - Max resolution 0.01 pF
L Range - Max resolution 0.01 mH
R_{dc} - 4ohm –500 Kohm , normal level
vii. 08 ohm – 1M ohm High level
viii. 13 ohm – 150 Kohm Low level
ix. Max resolution 5 Digit , 0.1 m Ohm

d. Parameter Ranges:
For R_{AC} - 0.0000 Ohm –200 Mohm
For R_{DC} - 0.0000 Ohm – 50 M ohm
For C - 0.00 pF- (2µF x 0.1m Ohm)
Eg. 0 pF- 31.8 F at f= 50 Hz
For L - 0.00 micro H – 200 M ohm/ 2Nf
Eg. 0 micro H – 637 KH at f=50 Hz

e. Standard Accessories- Mains cables and fuses
i. 2 Single test posts
ii. operating guid
iii. Reference manual

f. Other Accessories –
i. Programming Manual
ii. Service Manual
iii. PM9541 A, Wire Test Cable
iv. PM9542 A, RCL Adapter with 2 Single test Posts &1 double test post
v. PM 9542 SMD. SMD adapter
vi. PM 9536/041,3 m RS-232 Cable
vii. PM2295/10, 1m IEEE-488 BUS Cables
viii. PM 2295/20 2 m IEEE-488 BUS Cable
ix. PM 9563, Rack Mount Kit (3E High)
x. PM 9564, Rack Mount Kit (2 E High)
xi. PM 2272, Test Software – inspector
xii. PM9559 BIN Programmer

g. supply all details literature of the LCR Meter, their major components, Instruction, Maintenance and Trouble Shooting Manuals & programming manuals in four sets.

h. The LCR Meter should be of M/s Fluke Model PM 6303 A or similar .

(i) **warranty** :The LCR Meter will be guaranted/waranted against any defect and for bad workmanship for a period of 24 months from the date of final acceptance of the LCR Meter by ELS/TATA.

Tender No. 73.12.2.24075

Annexure for Set of Fasteners for spring seat & Vertical damper.
Consisting of:

(1) M24x150/65 Hex Head Bolt to IS:1367 Grade 8.8 with castle Nut (IS 2232-67), Spring washer (Is 3063) and Split pin (IS 549) (6mm dia hole to be provided on Bolt at a distance of 20mm from Threaded End)-3 Nos. each.
(2) M22x120/35 Hex Head Bolt to IS 1367 Grade 8.8 with Castle Nut (IS 2232-67) Spring washer (IS 3063) and Split pin (IS 549) (6mm dia hole to be provided on Bolt at a distance of 15mm from threaded end) -2 Nos. each.
(3) M20x110/35 Hex Head Bolt to IS1367 Grade 8.8 with Castle Nut (IS 2232-67) spring washer (IS 3063) and Split pin (IS 549) (6mm dia hole to be provided on bolt at a distance of 10 mm from threaded end – 2 Nos. each.

SMM(D)/ELS/TATA